



A Rockwell Automation Company

Weyerhaeuser Weyerhaeuser EFB Installation

The Client:

Weyerhaeuser is an international forest products company which touches nearly every aspect of the forest product industry. Weyerhaeuser has a strong presence in Alberta with three OSB (Oriented Strand Board) plants, pulp mills, and sawmills.

Weyerhaeuser acquired the Slave Lake OSB plant

from Weldwood in 1993. Since acquiring the plant Weyerhaeuser has invested in various projects around the plant in order conform to Weyerhaeuser standard operation and environmental standards.

The Requirement:

Environmental requirements called for the installation of an EFB (Electrified Filter Bed) to remove fine particles emitted by the cyclones (cyclones remove contaminants from the wood chips before processing).

A control system was required to control and monitor the operation of the new EFB. The control system required additional motor control I/O, PLC programming and the creation of an operator interface.

The EFB system needed to conform to Weyerhaeuser standards.

Daily reports which show that the plant is operating within new environmental regulations were also required.

The Design Solution:

Hinz provided a complete turnkey system to control the EFB. The EFB is controlled by an Allen-Bradley PLC 5/30 connected to two Wonderware InTouch HMI (Human Machine Interface) systems. Hinz was responsible for preliminary engineering and estimating, as well as detailed design and project coordination. These two HMIs and the PLC 5/40 were connected to the plant-wide data historical database. Hinz provided design support, cabinet design,

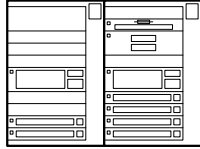
procurement, construction supervision, PLC programming, development of the HMIs and commissioning.

Hinz worked with the site environmental officers to create a useful report suitable for showing plant environmental compliance.

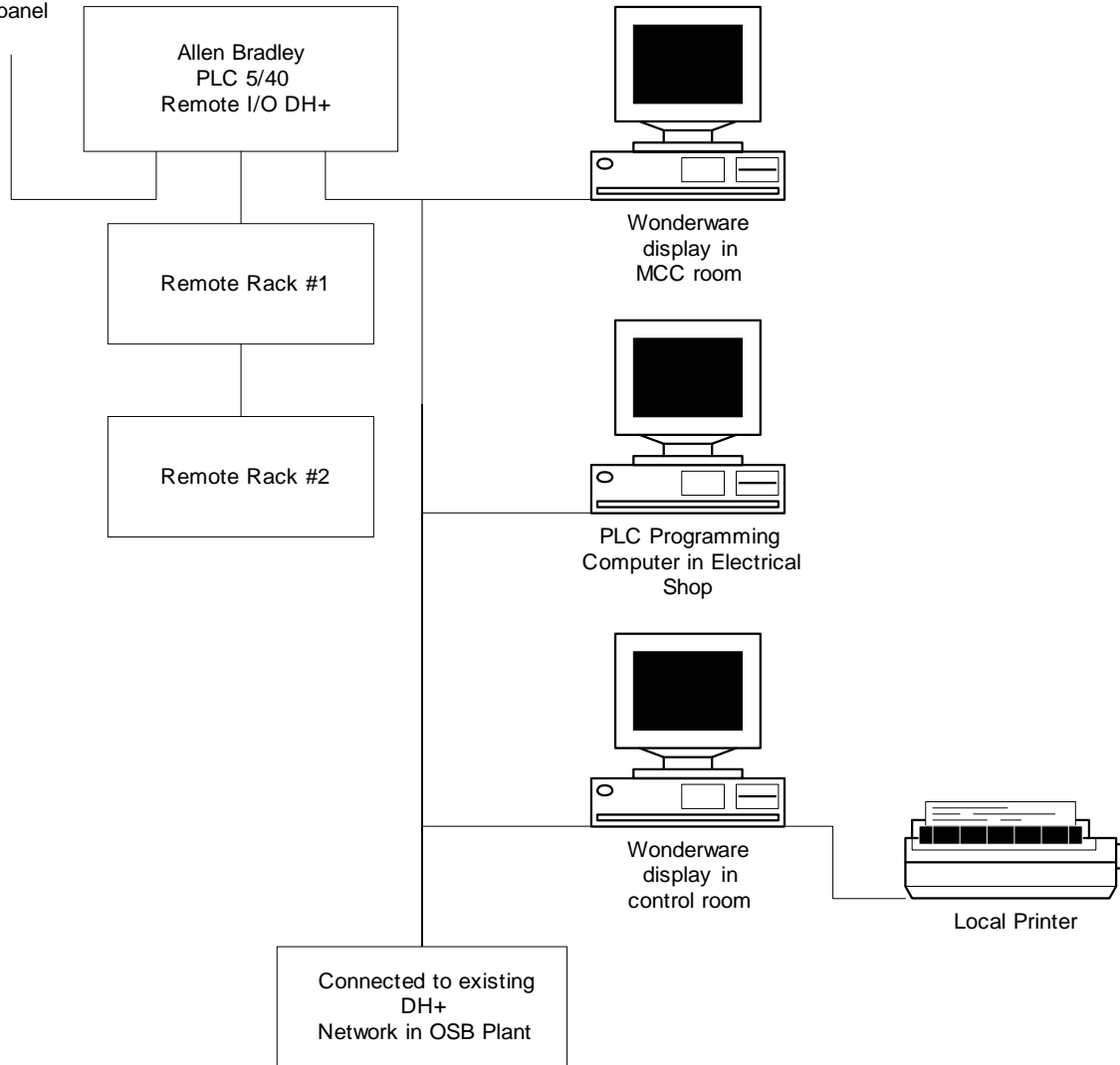


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Local Pushbuttons
Annunciator
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For further information or to contact a Hinz office near you, please check our website at:

www.hinz.com